# SUMMARY TEST DATA

**MODEL NO.** LM-0518G-10-1W-SHS-1-M

**Serial No.** PL24805/1906

**Temperature:** +25°C

**Date:** 02/06/19

**Drawing No.:** 27610984

**Rev.:** A1

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## TEST ITEM

<table>
<thead>
<tr>
<th>TEST ITEM</th>
<th>PARAMETERS</th>
<th>SPECIFIED VALUE</th>
<th>TEST RESULTS</th>
<th>QA QC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Frequency Range</td>
<td>0.5 GHz To 18 GHz</td>
<td>0.5 to 18.0 GHz (See Plot)</td>
<td>PMI QA1</td>
</tr>
<tr>
<td>2</td>
<td>Insertion Loss: @ -20 dBm Input</td>
<td>2.0 dB Max. 1.5 dB Typ.</td>
<td>1.91 dB (See Plot)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>VSWR: @ -20 dBm Input</td>
<td>2.0:1 Max. 1.5:1 Typ.</td>
<td>1.72:1 (See Plot)</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Leakage: @ 1 Watt CW Input</td>
<td>+14 dBm Max. +10 dBm Typ.</td>
<td>Pass (See Typical Characteristics)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Speed:</td>
<td>10 ns</td>
<td>Pass (See Typical Characteristics)</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Input Power:</td>
<td>1 Watt CW, 100 Watts Peak, 1 us Pulse, 0.1% Duty Cycle, Derated to 20% @ 125°C</td>
<td>Pass (See Typical Characteristics)</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Limiting Threshold:</td>
<td>+10 dBm Typ.</td>
<td>Pass (See Typical Characteristics)</td>
<td>PMI QA1</td>
</tr>
</tbody>
</table>

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**QA/QC Approval:** [Signature]  
**Date:** 2/17/19
(J1-J2) Insertion Loss and Return Loss

Summary Test Data
on
LM-0518G-10-1W-SHS-1-M

File Trace/Chan Response Marker/Analysis Stimulus Utility Help
Tr 1 S11 SWR 1.000U/ 1.00U
Tr 3 S22 SWR 1.000U/ 1.00U

Tr 2 S21 LogM 10.000dB/ 0.000dB

1: 500.000 MHz 1: 500.000 MHz 1: 500.000 MHz
1: -0.60 dB 1: -1.91 dB 1: 1.67 dB

Ch1: Start 500.000 MHz Stop 18.0000 GHz

Cont. CH1: S21 2-Port LCL